

MD 132 IS ASSUMED TO RUN
IN THE EAST/WEST DIRECTION

PROVIDE 165 FT OF 2" PVC CONDUIT TRENCHED
AND 1 HANDHOLE WITHIN THE BREAK.

SEE SIGNING AND
MARKING PLAN
SEE SHEET 14 OF 20.

PROVIDE 40 FT OF 2" PVC CONDUIT
SLOTTED AND 62 FT OF 2" PVC
CONDUIT TRENCHED WITHIN THE BREAK.

CONSTRUCTION DETAILS

- (A) INSTALL 27' STEEL POLE WITH 50' AND 70' MAST ARMS, SIGNS, AND SIGNAL HEADS AS SHOWN. (NOTE: 1-3" PVC SCHEDULE 80 CONDUIT BENDS, 1-1" RISER FOR TELEPHONE DROP, AND 4-1-3/4" X 96" ANCHOR BOLTS)
- (B) INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. (NOTE: 2-4" AND 2-2" PVC SCHEDULE 80 CONDUIT BENDS).
- (C) INSTALL 6' X 30' QUADRUPOLE LOOP DETECTOR (3-6-3 TURNS).
- (D) INSTALL MICROLOOP PROBE SET WITH 500' LEAD-IN.
- (E) INSTALL TRAFFIC SIGNAL HANDHOLE.
- (F) INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT SLEEVE FOR LOOP DETECTOR LEAD-IN.
- (G) INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- (H) INSTALL 2" PVC SCHEDULE 80 CONDUIT - SLOTTED.
- (I) INSTALL 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- (J) INSTALL 4" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- (K) INSTALL 4" PVC SCHEDULE 80 CONDUIT - SLOTTED.
- (L) INSTALL 12 INCH PERMANENT PREFORMED PAVEMENT MARKING TAPE.
- (M) INSTALL 24 INCH PERMANENT PREFORMED PAVEMENT MARKING TAPE.
- (N) PROPOSED OVERHEAD POWER SERVICE.
- (O) INSTALL W3-3 SIGN (36" X 36") WITH D95-25 (NEW) PANEL (24" X 24") AND FLAGS ON TWO 4" X 4" TREATED WOOD POSTS.
- (P) INSTALL 27' STEEL POLE WITH 60' AND 50' MAST ARMS, SIGNS, AND SIGNAL HEADS AS SHOWN. (NOTE: 1-3" PVC SCHEDULE 80 CONDUIT BEND, AND 4-1-3/4" X 96" ANCHOR BOLTS)
- (Q) INSTALL PERMANENT PREFORMED PAVEMENT MARKING ARROW.
- (R) INSTALL PERMANENT PREFORMED PAVEMENT MARKING LETTER.

UTILITY LEGEND

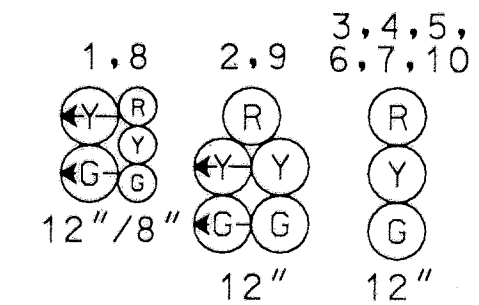
— G — G — GAS MAIN
— W — W — WATER MAIN
— S — S — SEWER MAIN
— E — E — ELECTRIC CABLES
— A — A — AERIAL CABLES
— T — T — TELEPHONE CABLES
— SD — SD — STORM DRAIN

BAI

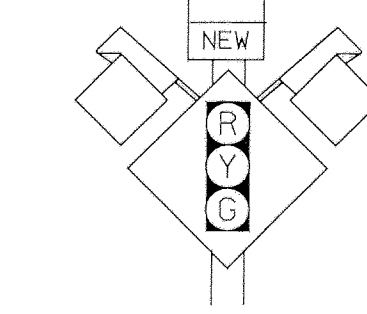
BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS

9220 RUMSEY ROAD, SUITE 210
COLUMBIA, MARYLAND 21045
(410)-884-3607

SIGNAL HEADS



SIGNS



TEMPORARY SIGN
W3-3 NEW
36' X 36'

12a
← Beards Hill RD

12b
Beards Hill RD →

D(31)
BACK TO BACK
DUAL FACED
16' X Var.

14a
Bush Chapel RD →

14b
← Bush Chapel RD

D(31)
BACK TO BACK
DUAL FACED
16' X Var.

18a
West Bel Air AVE

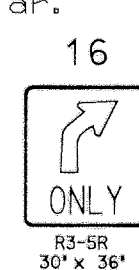
18b
West Bel Air AVE

D(31)
BACK TO BACK
DUAL FACED
16' X Var.

20a
West Bel Air AVE

20b
West Bel Air AVE

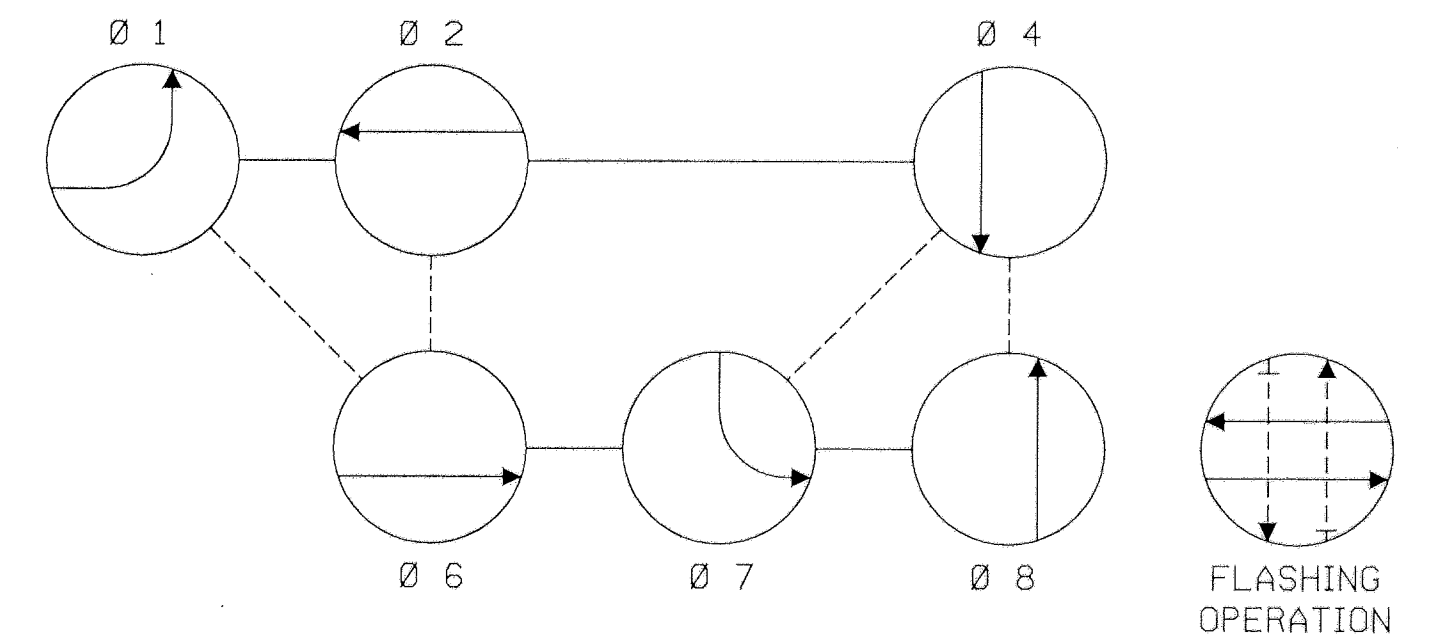
D(31)
BACK TO BACK
DUAL FACED
16' X Var.



NOTES

- PAVEMENT MARKINGS DETAILED ARE TO BE INSTALLED BY THE SIGNAL CONTRACTOR. FOR ALL OTHER PAVEMENT MARKINGS, REFERENCE THE PAVEMENT MARKING PLANS.
- LOOP DETECTORS, CONDUIT AND MICROLOOP PROBES SHALL BE INSTALLED BEFORE FINAL SURFACE COURSE.
- GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.

NEMA PHASING



PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.

LOG MILE 120132A0.00

REVISIONS

APPROVALS

ASST. DIVISION CHIEF, TRAFFIC

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 132 (W. BELAIR AVE.) & MD 132A (BEARDS HILL RD.)
& BUSH CHAPEL ROAD, (CITY OF ABERDEEN)

DATE 06/30/99

DRAWN BY: RJM

P.E. NO.

CHECK BY: AJB

S.H.A. NO.

SCALE: 1" = 20'

COUNTY

HA9192176

HARFORD

PLAN

SHEET NO.

TS-3826

SHEET NO.

OF